



MICROPLEX[®] UASB

Environmental

What is MicroPlex[®] UASB?

Dry granular powder of preselected and adapted facultative anaerobic microbial strains, specifically chosen for their ability to anaerobically degrade high BOD/COD wastewater.

Nominal Microbe Count > 7x10⁸ /gram

What does MicroPlex[®] UASB do?

Formulated to enhance the degradation of BOD/COD under toxic, inhibitory, or cold weather conditions and specifically to reseed systems, maintain gas production, and limit volatile fatty acids (VFA) buildup. Developed for upflow anaerobic sludge blanket (UASB) or expanded granular sludge bed (EGSB) anaerobic bioreactors. Designed for use in the pulp and paper, chemical, food processing, petroleum refining, textile, and related industries and for use in municipal plants receiving concentrated waste streams.

BENEFITS OF USE:

- Reseed existing or seed new UASB or EGSB anaerobic digesters
- Restore microbial activity in damaged systems
- Resolve uncoupling, reducing VFA build-up
- Reduce grease blanket build-up
- Improve stability and gas production through key micronutrient addition
- Improve biomass settling—reduce effluent suspended solids
- Improve overall system performance

CONSULT: Consult your local Huma[®] Environmental Representative or other soil or wastewater specialist for site-specific recommendations.

Anaerobic Digestion Of Wastewater

Activated Bugs™

Derived from facultative anaerobic microbial strains, buffering salts, trace nutrients.

APPLICATION

Contents are highly concentrated. Must be mixed with warm water and then applied directly into the wastewater flow as it enters the reactor.

Application	Minimum Dose <i>per MGD (per 1,000 m³/day)</i>	Maximum Dose <i>per MGD (per 1,000 m³/day)</i>
Normal/ Maintenance	2 lb	up to 5 lb
	0.2 kg	up to 0.5 kg
Start-Up/Upset (10 days min.)	Up to 35 lb	Up to 87.5 lb
	Up to 3 kg	Up to 7.5 kg
Severe Upset	Up to 52.5 lb	Up to 131.25 lb
	Up to 4.5 kg	Up to 11.25 kg
Conditions	Ranges	Optimum
Water pH	6.0–9.0	7.0
Temperature	50–104°F 10–40°C	95°F 35°C
Toxic Heavy Metals	Trace	None

CONTACT YOUR LOCAL HUMA[®] ENVIRONMENTAL REPRESENTATIVE FOR SPECIFIC USAGE RECOMMENDATIONS.

Shelf life: 5 years
when stored properly

25 lbs • 11.3 kg

Powered By



huma.us

SAFETY

KEEP OUT OF REACH OF CHILDREN

CAUTION:

Avoid inhalation of dry powder or liquid mist. Avoid exposing skin to dry powder or strong solution as irritation may result. If material contacts skin or eyes, flush thoroughly and repeatedly with water.

PRODUCT CHARACTERISTICS:

A tan granular powder.

STORAGE AND DISPOSAL:

Keep product in original container. Store in dry area at 45°F to 105°F (7°C to 40°C). Do Not Freeze. Do not transfer into food or drink containers. Wash with soap and triple rinse when empty for recycling. Always dispose of container in accordance with local, state, and/or federal regulations.

CONDITIONS OF SALE:

The information contained on this label is believed to be accurate and reliable. Buyer and user acknowledge and assume all liability resulting from the use of this material. Follow directions carefully. Timing, method of application, weather, and other factors are beyond the control of the seller.

© 2023 by Huma, Inc.
1331 W. Houston Ave., Gilbert, AZ 85233
480.961.1220
Publication No. HE-962-230717